

# TCW122B-CM Remote IO module

### Overview

TCW122B-CM is a remote IO module for environmental monitoring and control. It has 2 digital, 2 analog inputs and 1-Wire interface for up to 2 temperature/humidity sensors.

The controller has 2 relays with normally open and normally closed contacts.

The relays can be activated either remotely or locally. The remote activation includes WEB interface or M2M protocols – SNMP and HTTP API. The local activation is possible from a status of monitored parameter (temperature, humidity, analog voltage and dry contact). Only one parameter can manage the relay at the same time.

For every monitored parameter e-mail and/or SNMP trap can be sent as an alert for previous set alarm conditions.

### Applications

- **Remote environmental monitoring** The device can monitor temperature and humidity in server rooms, data centers, mobile operators facilities room, offices etc.
- Remote control of electric devices With its 2 relays, the device can control independently 2 electric devices. This can be done either by command through the embedded WEB server or by some dedicated application, for example, TCW Control.
- Home and office alarm systems The device can be set up to send e-mail and SNMP traps alerts in case of an alarm condition for temperature/humidity and digital/analog inputs.
- SCADA systems With its supported M2M protocols, the device can be easily integrated into supervisory control and data acquisition systems.

# Interfaces

### **Basic features**

- Embedded WEB server for configuration and control;
- "Dry contact" and "Logic level" modes for digital inputs;
- SNMP v1 support;
- SNMP traps for alarm conditions;
- SMTP without SSL/TLS support;

- Emails on alarm conditions;
- HTTP API commands support;
- XML status report file;
- HTTP and SNMP port changing;
- Remote firmware update.

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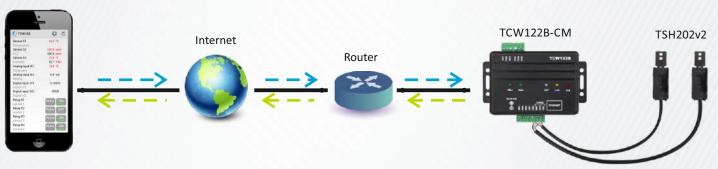
TCW122

# Short specification

Operating voltage range (including -15/+20% according to IEC 62368-1), VDC	10-14
Maximum current (with both relays ON), mA	200
Weight, g	110
Dimensions, mm	109 x 82 x 32
Operating temperature range, °C	-20 to 55
Operating relative humidity range, %RH	5 to 85 (non-condensing)
Minimum high-level input voltage for digital inputs, VDC	+2.5
Maximum low-level input voltage for digital inputs, VDC	+0.8
Maximum input voltage for digital inputs, VDC	+5.5
Supply voltage for the 1-wire bus (VDD), VDC	5.3±0.2
Maximum output current for the 1-wire bus (VDD), A	0.2
Analog inputs range, VDC	0 to 60
Maximum switchable current for relay contacts, A	3
Maximum switchable voltage for relay contacts, VAC/VDC	30/24

# **Typical application**





# Supported sensors and detectors







Detectors



Sensors







Other Sensors with Relay Output

## Software

- TC Monitor
- TCW Control for Android
- TCW Control for iOs
- Third-party software applications

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